Voyage Planner

Installation and Operation Handbook

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Raymarine®

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Software Installation

Insert the Voyage Planner ® CD disc in the optical drive of your Microsoft® Windows® 7, Vista, or XP (Service Pack 3) computer.

If the installation does not start automatically, use Windows Explorer to browse for setup.exe on the CD and double click it. If you have any problems with either step, ensure that you have inserted the disc correctly and that your optical drive can read other discs.

Follow the on-screen instructions to complete the installation.

Install Software via Web Download

If you have a computer without a DVD drive, or wish to be sure you have the most current software version available for installation, download the software from the web site:

http://voyage.raymarine.com/download

Click the download link and save the file to a known folder on your hard drive. After the download completes, click the .EXE file to run the installation program.

Follow the on-screen instructions to complete the installation.

Installation Troubleshooting

- Use Windows Update to install any updates that are required.
- If you are installing Voyage Planner on a corporate computer, you may need assistance from your technical support staff to permit the software installation.
- Computer security utilities may impede software installations. If you experience installation issues, you may need to temporarily lower your security settings. Please consult the Help file of your security software for further information.
- If your CD is missing or damaged, an updated installer is available for download.

Software Activation and Registration

Before you can use Voyage Planner® and receive technical support, you must activate and register it.

1. Have your software Serial Number ready. It is printed on the back of the paper User Reference or located in the e-mail body of your electronic delivery. (If necessary, check your e-mail spam / junk folder).

2. When the software launches for the first time, the activation window appears. Enter the serial number into the four text boxes.
   NOTE 1: The Serial Number is not case sensitive.
   NOTE 2: Avoid confusing numbers. E.g. "1" and "0" with upper-case "I" and "O".
   NOTE 3: You may copy the whole Serial Number from an e-mail and paste it into any box. The pasted text will automatically distribute itself over the text boxes.

3. There are two options for activation:
   (I) Click **Automatic Activation** if your computer is connected to the internet. (Recommended mode for activation).
   (II) Click **Manual Activation** and follow the instructions on that window.

4. A new window will report a successful action and display a product summary. You may also sign up for the newsletter. Click Next to finish.

5. In the User Information window, enter all applicable information. Mandatory fields required to complete registration are: first and last name, city, phone number, and e-mail. Click the Send button to have the registration sent via internet connection or click Cancel to register later using the **Help** menu.

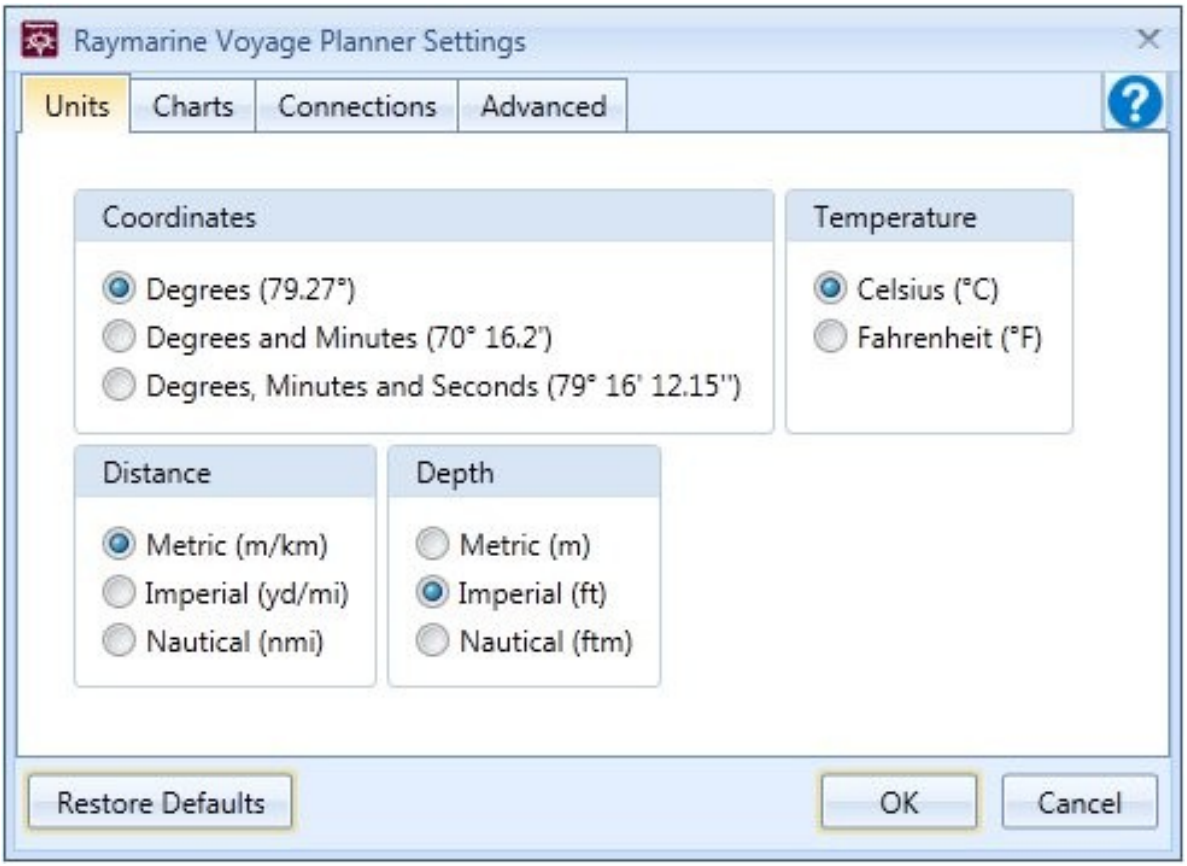
Activating on a Replacement Computer

If you install Voyage Planner on a replacement computer, you may need to consult technical support to permit migration of your software license.

Launching and Configuring

Voyage Planner may create a desktop icon depending on your installation choices. Click the Voyage Planner icon to launch the software. Otherwise, Click the **Start** | **All Programs** | **Voyage Planner** folder, then click the **Voyage Planner** icon.

In the software, click **Files** | **Settings** then the **Units** tab. Set as you prefer or click **Restore Defaults** to return to Voyage Planner's original preferences.



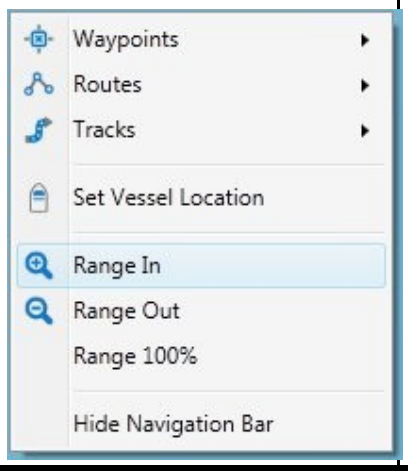
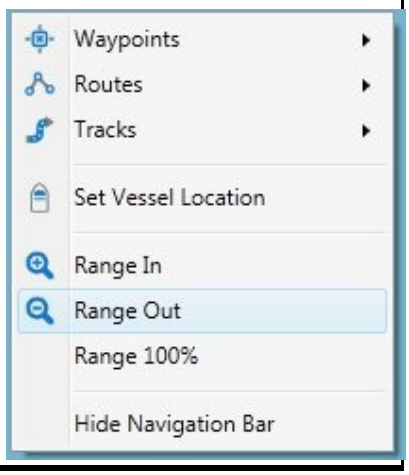
You may also examine and adjust options in the other tabs:

- **Charts** – Set chart display preferences and see where charts are stored.
- **Connections** – Enter your login ID for the Voyage XChange online service, and enable network services with compatible Raymarine MFDs.
- **Advanced** – Set language preference and software interface display options.

Zooming and Panning

The default World Basemap will be displayed upon launching the software.

Zoom In / Zoom Out in any of these ways:

Using...	Zoom IN with...	Zoom OUT with...
mouse scroll wheel	wheel UP ▲	wheel DOWN ▼
keyboard	+ (plus key)	— (minus key)
right-click mouse	select Range In 	select Range Out 

Pan (scroll) a map or chart in any of these ways:

Using...	How to pan...
hand-grab cursor	hold left mouse mouse, push map at any angle
keyboard cursor (arrow) keys	left ◄ right ► up ▲ down ▼ (right angle movements only)

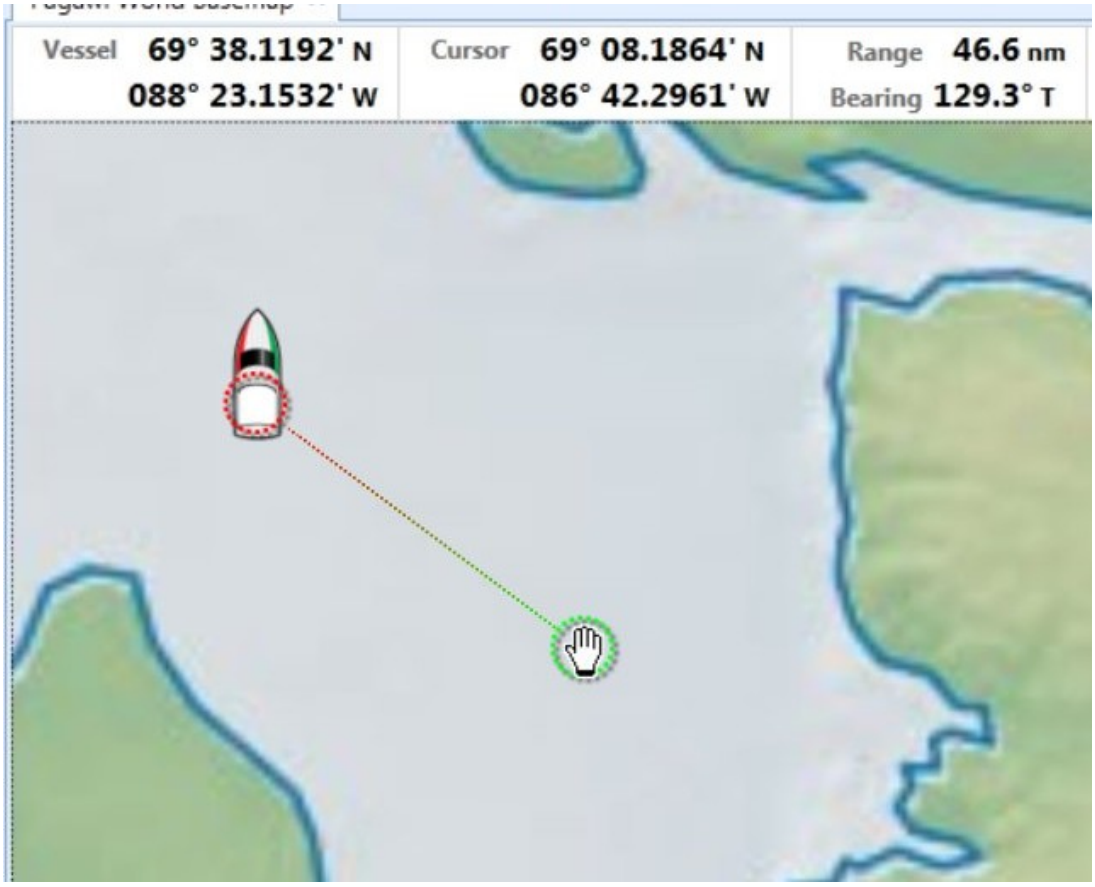
Panning to the edge or zooming out of a raster chart will display empty space.

Set a Vessel and Viewing the Navigation Bar

When planning, it may be useful to have a fixed point of reference for measurement purposes.

Right click anywhere on a chart and select **Set Vessel Location**. A vessel icon appears. Drag and drop the icon to change its location.

Coordinates, range, and bearing of the cursor with respect to the vessel will be updated continuously as you move the cursor.



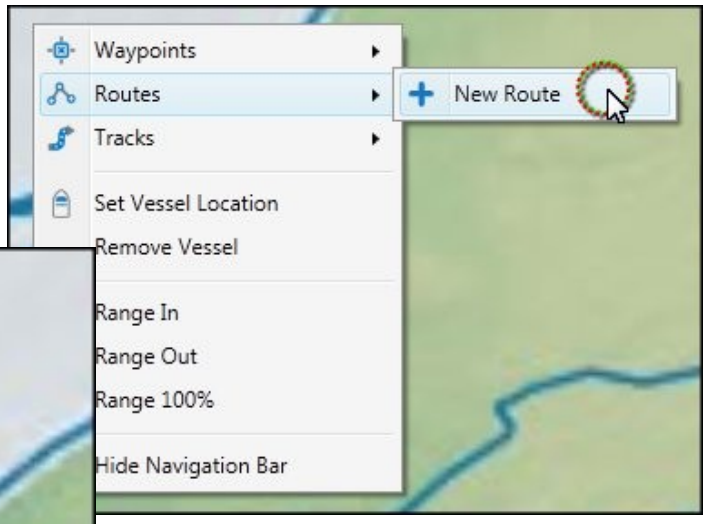
In the illustration above, a line and circle are superimposed to show the relation between the vessel icon and the mouse cursor position.

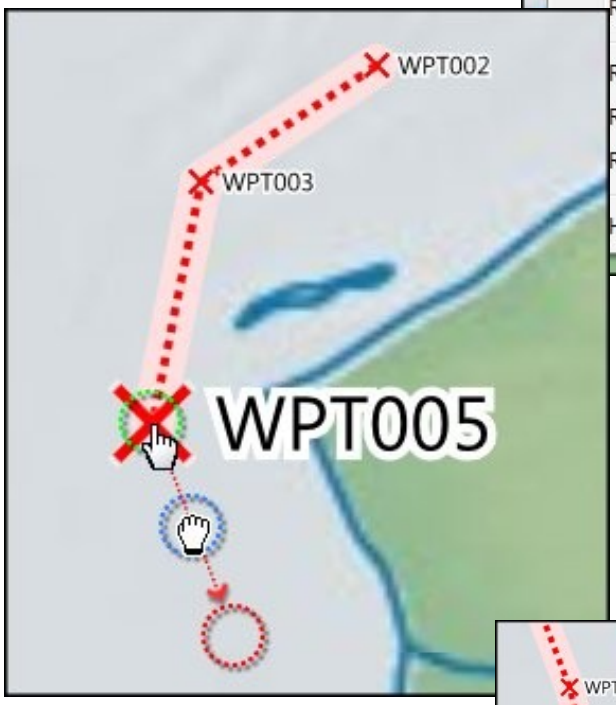
You can right click and select **Set Vessel Location** to define a new fixed point of reference.

You can also right click the chart and select **Hide Nagivation Bar** to hide the data.

Creating a Route

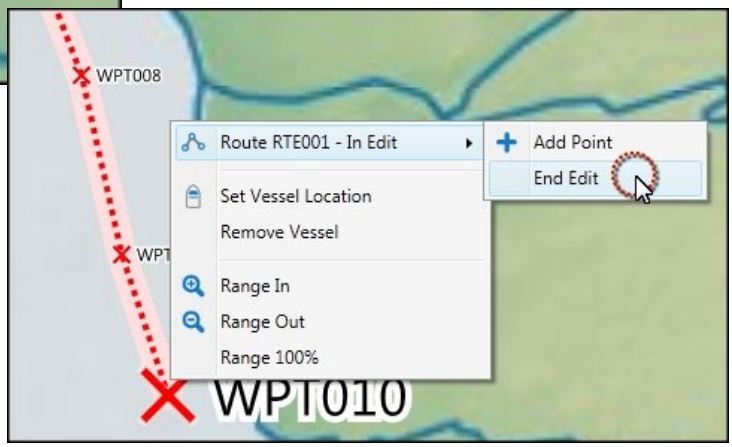
At a comfortable zoom level, right click on a chart where your wish to begin and select **Routes** | **New Route**. The first waypoint is set. To modify the position, click and drag the waypoint elsewhere, then click **Yes** to confirm the change.





Single click elsewhere to add the next waypoint of the route. Continue this process until the route is built.

To finish, right click the route and select **Route *name* - in Edit** | **End Edit**.



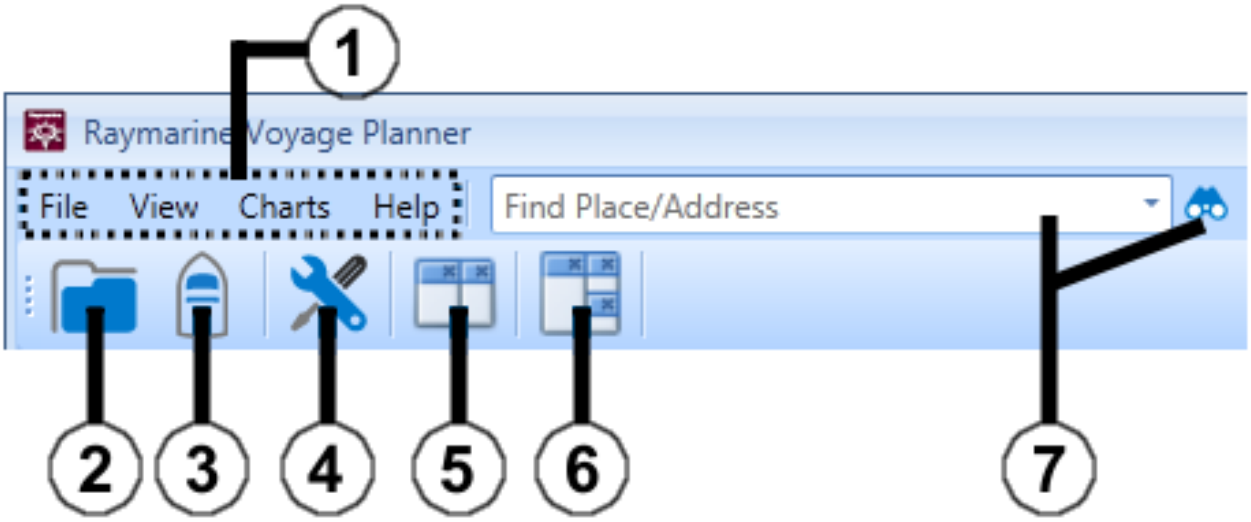
To add to an existing route, enter Route-Edit mode by right clicking on a route, select **Route | {*route name}* | Edit / Add to Route**. To insert a waypoint on a route leg, right click the route leg, select **Route {route name} - In Edit | Insert Points**.

Clicking elsewhere in Route-Edit mode will add a waypoint to the end of the route. Right click the route and select **Route *name* - in Edit** | **End Edit** to finish.

For more information, please refer to the Help file.

The Menu Bar and Main Toolbar

The menu bar and main toolbar offer detailed options on how Raymarine Voyage Planner® looks and behaves.



1	**File** menu: **Print** a chart, **Settings** for configuring software, **Exit** to close software. **View** menu: • **Toolbars** — View / hide toolbar icons. • **Data Library** — View / hide Data Library. • **Charts** — View / hide maps and charts. • **Layout** — Re-assemble all charts into equally spaced tabs. **Charts** menu: • **Open Chart** — Enter Map Library to preview and select charts for viewing. • **Close Chart** — Close current chart (other charts will remain visible). • **Download NOAA Charts** — Enter dialog to download free NOAA charts. • **Install Navionics Charts From Media Card** — Copy charts from media card. **Help** menu: **Contents** of detailed technical help, **Software Updates** via Internet, **About**, **Activation** completion / status, **Product Registration**.
2	**Open Chart** — Enter Map Library.
3	**Center Vessel** — Reposition vessel icon to center of chart.
4	**Settings** — Enter Settings menu.
5	**Tile** or **Tab** Charts — Toggles Tabbed or Tile chart views.
6	**Default Layout** — Return charts and all interface elements to its original form.
7	**Find Place/Address** — Internet search for places or addresses.

Importing / Downloading Charts

You may import the following types of charts:

- Raymarine charts from the Voyage XChange (http://voyage.raymarine.com).
- BSB version 1 through 5 with .KAP file including NOAA sourced RNC.
- Vector S-57 including NOAA sourced ENC.
- Vector S-63 with valid cell permit.
- Navionics Gold, Platinum+, HotMaps Premium charts on media cards. Must be nTag enabled (Navionics cards manufactured after April 2010).

Charts are often encrypted and copy-protected. If applicable, follow any instructions your chart supplier provides for authorizing charts for use on the computer running Voyage Planner.

Simple Method of Importing Charts

If your chart type is listed as an option in Charts menu, click that menu option to start the import dialogue procedure. Two examples of easy import charts are:

- **Charts | Download NOAA Charts**
- **Charts | Install Navionics Charts from Media Card**

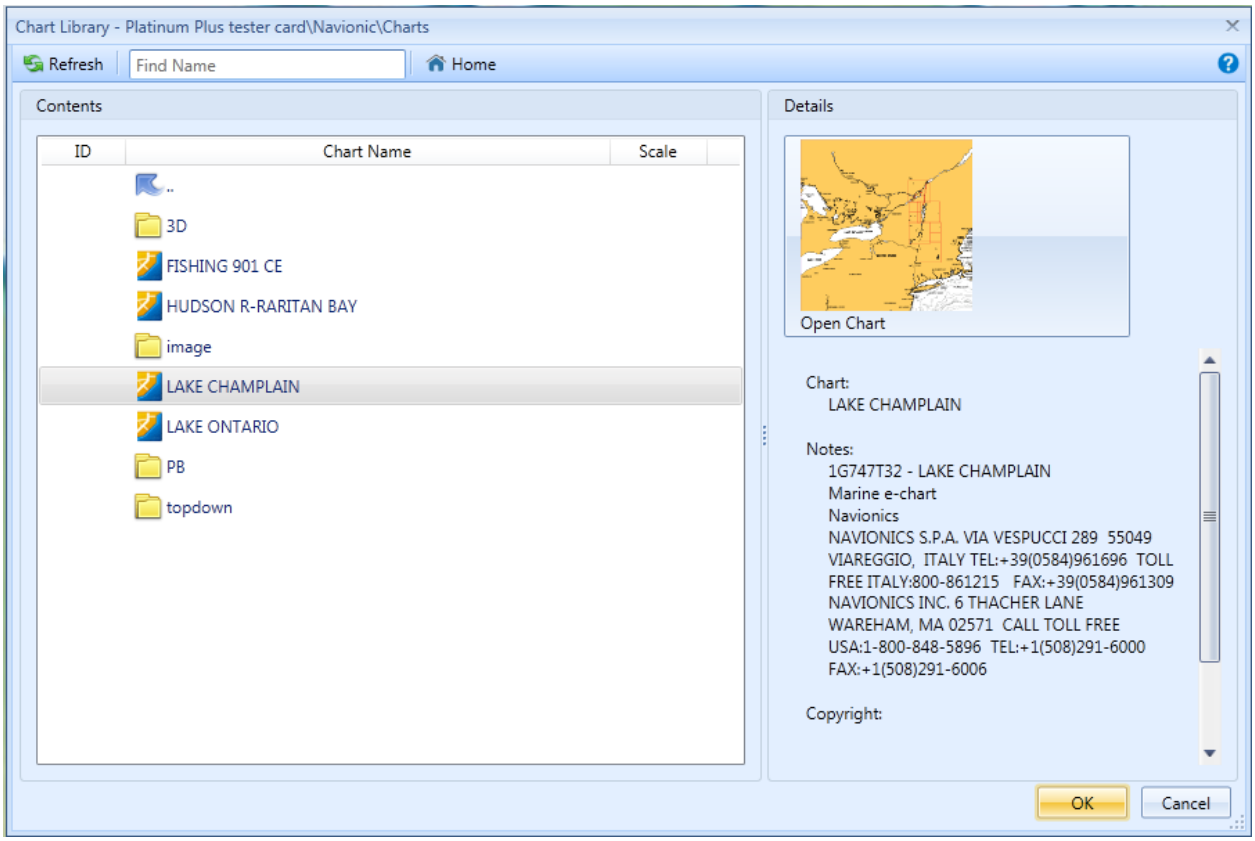
Manual Method of Importing Charts

If you have BSB, S-57, S-63 charts, copy those chart files to the Raymarine chart folder. Method outlined below. Please note: Software does not need to be closed during this procedure.

1. Click **File** | **Settings**, select the **Charts** tab and examine the folder path given in the **Chart Location** box. Typically the path is: **C:\Users*{Windows_UserName_Here}*\Documents\Raymarine\Charts**.
2. Open Windows Explorer then browse to the source chart folder.
3. Select all the chart files you wish to import and copy (CTRL + C) them.
4. Browse to the destination folder in Step 1.
5. Create a new folder within the destination folder and paste (CTRL + P) the chart files to your new folder.
6. In Voyage Planner's Chart Library, press the Refresh button to find and process your charts. This may take a few minutes depending on quantity, file size, and computer specifications. Individual charts will be available for viewing as soon as the software finishes processing a chart.
7. For S-63 charts, click **Charts | S-63 User Permits** to unlock / enable the S-63s.

The Chart Library

Click **Charts** | **Open Chart** to enter the Chart Library.



The Search feature at the top can be used to find charts if you know part of the chart name.

Listed charts can be sorted by **Chart Name** or **Scale** column headings.

A preview image and chart details are displayed if you select it. If you wish to view the chart, click **OK** or double click the chart preview image.

Click on folders to view their contents or click the blue arrow to return to the previous folder. Charts with no contents can be safely ignored.

Click the **Home** button to get back to the top level folder.

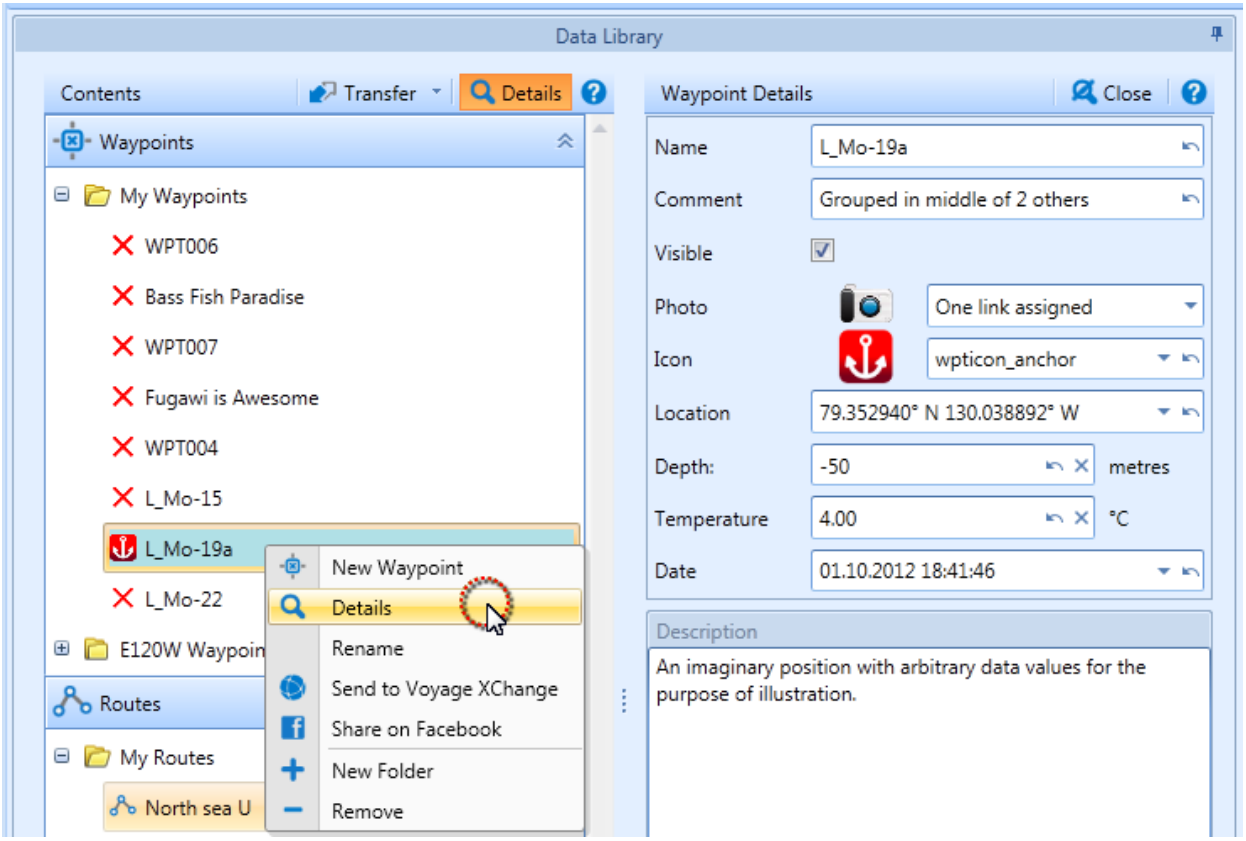
Charts are indexed automatically. You may click the **Refresh** button to process new charts if they have been added to your Chart Library folder.

The Data Library

The Data Library should be visible by default otherwise, click **View** | **Data Library.** Click the blue push pin in the upper right corner to hide the pane to the left hand edge. Highlight the Data Library tab to temporarily view it and press the blue push pin to return to its default view.

Waypoints and **Routes** have their own sections in the Data Library. If a Raymarine MFD is connected, an MFD section will appear in the Data Library.

Right click any data item and select **Details**. All available options and preferences of the item are presented. When you edit a field , that change will be reflected on all charts containing that data item. Click **Close** when done.



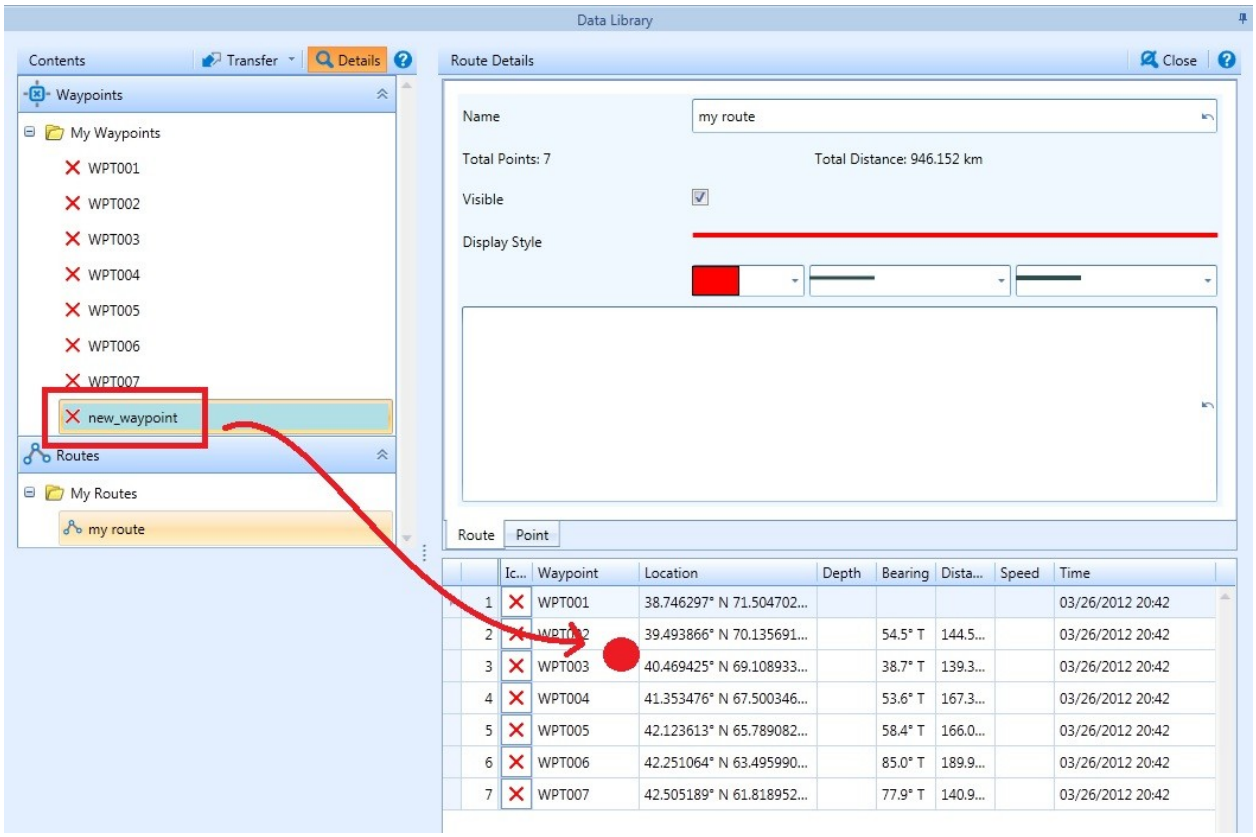
Within any Data Library sections, you may right click and create a **New Folder** (rename as applicable). Click the + (plus) sign to expand a folder or – (minus) to collapse it. Multi-selection via CTRL + click and Drag and Drop of data items between folders is supported.

Customizing a Route in the Data Library

In the Route box of the Data Library, right click a route and select **Details**.

If the **Route** tab is selected (midway down the Route Details window) you may change the route **Name**, **Display Style** or toggle the **Visibility** of the route.

It is also possible to add waypoints to a route using the Data Library only. Use the mouse to select a waypoint from the Waypoint Library then hold it. Drag it over to the Route Details pane then release the cursor at the desired location in the route.



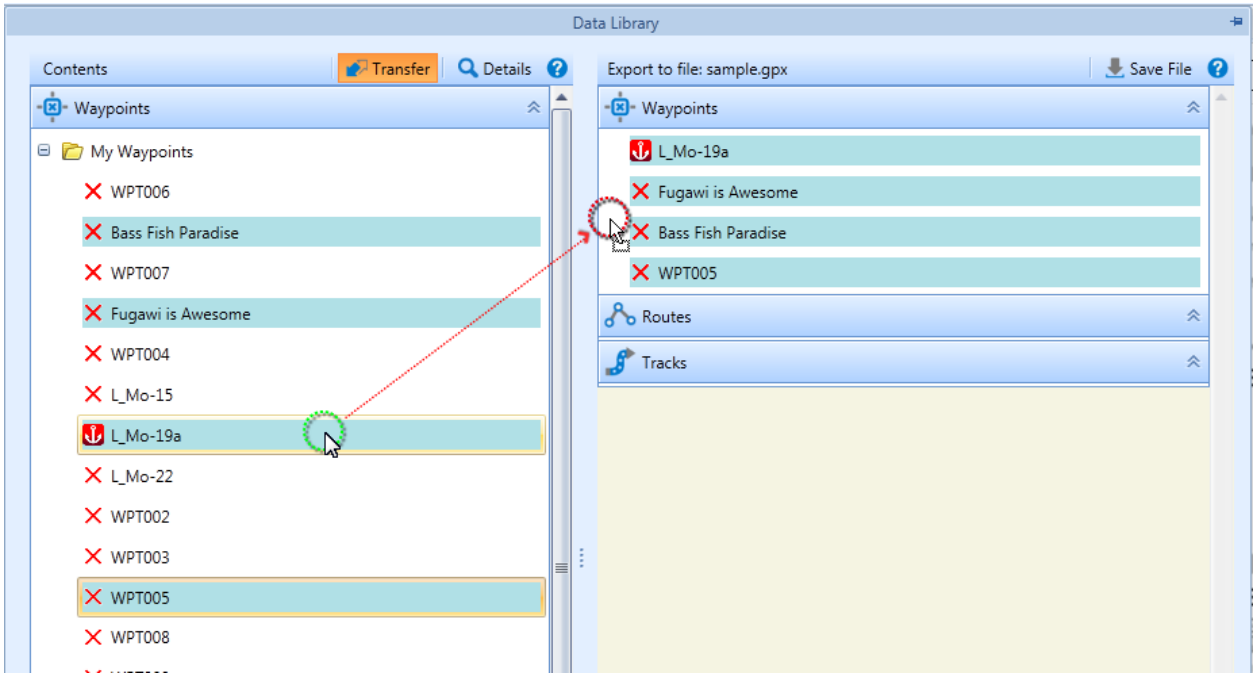
If the **Point** tab is selected, you may edit the properties of each waypoint. It is also possible to reorder the route points by selecting a waypoint and dragging it up or down the list.

NOTE: The numbers on the left-most column represent the order of waypoints on the route and are therefore, static.

Exporting and Importing Waypoints and Routes

On the Data Library title bar, click the **Transfer** | **Export** | **File on Disk**. Select a data format that is applicable for your needs. In the **Export File As** dialog select the destination folder you wish to save the data file and click **Save**. The **Export to file pane** opens. Drag and drop waypoints and routes into this pane. Click **Save File** to finish.

The illustration below shows four waypoints that has been multi-selected then dragged into the export pane, ready to be saved as a file called “sample.gpx”.



Importing follows a similar procedure: click **Transfer** | **Import** | **File on Disk**, select a format that is application to your needs. Browse to and select a file of that type to view its contents in the Import pane. Drag the data items you wish to import into the Waypoint or Route section of the Data Library.

If you have data in other file formats will need to be converted to a format that Raymarine Voyage Planner® can recognize. Support is not provided.

You may also export or import files to the online service Voyage XChange: **Transfer | Import** or **Export** to **Voyage XChange**.

Please see the Help file for further information on Exporting and Importing waypoints and routes.

Connecting to a Raymarine MFD

Selected models of Raymarine MFDs have built-in networking capability. Raymarine Voyage Planner® can connect to the MFD and share data in real time.

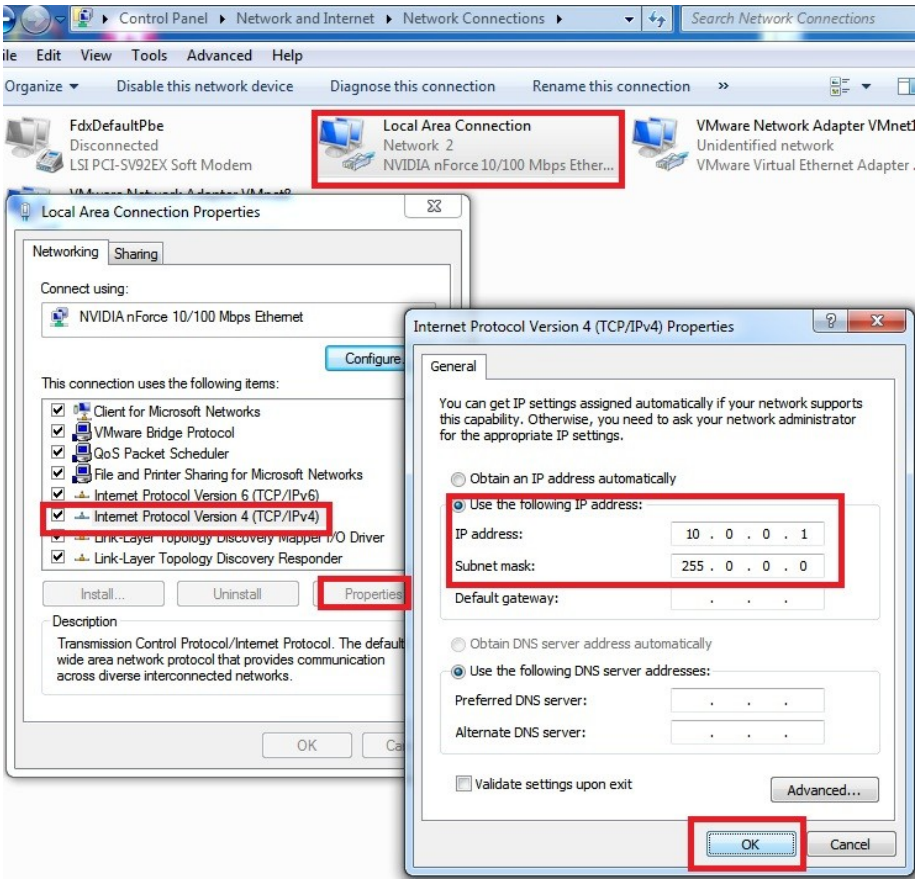
There are two scenarios for connecting Raymarine Voyage Planner® to an MFD:

- **Network cable connection:** The Raymarine MFD and the computer with Raymarine Voyage Planner® to be connected via the Raymarine SeaTalk HS Network Switch (Part number: E55058) using ethernet cables.
- **Wireless (Wi-Fi) connection**: The Raymarine MFD (new C and E series MFD only) connects directly to the Wi-Fi enabled computer running Raymarine Voyage Planner®.

FOR COMPLETE INSTRUCTIONS & TROUBLESHOOTING GUIDES, REFER TO THE RAYMARINE MFD DATA EXCHANGE GUIDE FOUND IN THE HELP FILE (HELP | CONTENTS).

<u>To connect to a Raymarine MFD using the Raymarine SeaTalk HS Network Switch:</u>

1. Connect the computer to the switch using an Ethernet cable.
2. Connect the switch to the Raymarine MFD using an Ethernet cable. Allow connection in Windows Firewall if prompted.


Control Panel ▸ Network and Internet ▸ Network Connections ▸
Search Network Connections
File Edit View Tools Advanced Help
Organize
Disable this network device
Diagnose this connection
Rename this connection
FdxDefaultPbe
Disconnected
LSI PCI-SV92EX Soft Modem
Local Area Connection
Network 2
NVIDIA nForce 10/100 Mbps Ether...
VMware Network Adapter VMnet1
Unidentified network
VMware Virtual Ethernet Adapter
Local Area Connection Properties
Networking
Sharing
Connect using:
NVIDIA nForce 10/100 Mbps Ethernet
Configure...
This connection uses the following items:
Client for Microsoft Networks
VMware Bridge Protocol
QoS Packet Scheduler
File and Printer Sharing for Microsoft Networks
Internet Protocol Version 6 (TCP/IPv6)
Internet Protocol Version 4 (TCP/IPv4)
Link-Layer Topology Discovery Mapper I/O Driver
Link-Layer Topology Discovery Responder
Install...
Uninstall
Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK
Internet Protocol Version 4 (TCP/IPv4) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 10 . 0 . 0 . 1
Subnet mask: 255 . 0 . 0 . 0
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Validate settings upon exit
Advanced...
OK
Cancel

3. On the network adapter connecting to the switch, right click and go to Properties.
4. Change the IPv4 address to 10.0.0.1 and its subnet mask to 255.0.0.0.

Basic Troubleshooting Tip: If you are experiencing problems, resetting the network adapter typically resolves a majority of network connectivity issues!

To connect to a Raymarine MFD with built-in wireless:

1. Ensure that WiFi is enabled and running on the computer.
2. On the Raymarine MFD, start at the **Home** screen. Press the **Setup** icon.
3. Go to **System Settings | Connections**. Ensure that WiFi is enabled.
4. Scroll down and record the **Wi-Fi Name**, **Wi-Fi Security**, and **Wi-Fi Passphrase**.
5. On the computer, right click the **Network** icon found in the system tray and connect to the WiFi network of the Raymarine MFD and input the Wi-Fi Security and Wi-Fi Passphrase if asked. Allow connection in Windows Firewall if prompted.

Once these steps in Windows has been accomplished,

1. Run Raymarine Voyage Planner®.
2. Go to **File | Settings**, then select the **Connections** tab. Check off **Scan for Raymarine MFD**. Select **OK** to close.

Connectivity is established when:

1. A prompt to backup the user data from the Raymarine MFD appears.
2. An icon at the far right of the Main ToolBar indicates the software is connected to the Raymarine MFD.
3. A Raymarine MFD section appears in the Data Library.

Creating / Exchanging Data with a Raymarine MFD

In the MFD section of the Data Library, waypoints and routes exist in separate folders. These folders exist independently of other libraries. **Please note: Data that reside in the Waypoint and Route libraries are not synchronized with the MFD's folders.**

When new data is created in the Data Library, it is not duplicated on the MFD and vice versa. Multi-selection with drag and drop between the MFD section and the other sections in the Data Library is supported. Dragging folders, waypoints, and routes from one area to another will create a copy at the new location.

To manually create waypoints on the MFD, highlight the waypoint folder in the MFD section of the Data Library. Create waypoints as you normally would (via right click context menu on screen or through the Data Library). Waypoints created in this fashion reside only in the MFD.

To manually create routes on the MFD, a similar approach is used. Instead of highlighting the waypoint folder in the MFD section of the Data Library, highlight the route folder instead.

Contacting Technical Support

Raymarine provides a comprehensive customer support service. You can contact customer support through the Raymarine website, telephone, and email. If you are unable to resolve a problem, please use any of these facilities to obtain additional help.

Click **Help** | **Contents** as your first resource. Most topics are discussed in further detail and include some helpful troubleshooting tips.

Web support
Please visit the customer support area of our website at: http://www.raymarine.com. This contains Frequently Asked Questions, servicing information, e-mail access to the Raymarine Technical Support Department and details of worldwide Raymarine agents.

Telephone and email support

In the USA:
- **Tel:** +1 603 324 7900
- **Toll Free:** +1 800 539 5539
- **Email:** Raymarine@custhelp.com

In the UK, Europe, the Middle East, or Far East:
- Tel: +44 (0)13 2924 6777
- Email: ukproduct.support@raymarine.com

Product information:
If you need to request service, please have the following information to hand:
- Product name.
- Product identity.
- Serial number.
- Software application version.

You can obtain this product information using the menus within your product.

Voyage XChange technical support
- **Email:** Support@voyagexchange.com
- **Tel:** +1 416 920 9300 x 2; (9AM—5PM EST, MON—FRI)

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This product requires product activation procedures. YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. The product activation procedures will be detailed during initial launch of the product or upon re-installation of the software or reconfiguration of your PC. These procedures may be completed by Internet or telephone (toll charges may apply).

2. Limited Warranty

Warranty:

Northport Systems Inc. warrants that the Software Product will perform substantially in accordance with the accompanying documentation for a period of 90 days from receipt. In jurisdictions in which limitations on express or implied warranties are not allowed by law, any such warranties shall be limited to 90 days.

Remedies:

Should the Software Product fail to perform in accordance with the limited warranty, your exclusive remedy shall be either a refund of the price you paid, or repair or replacement of the Software Product, in the sole discretion of Northport Systems Inc. The limited warranty shall not be available if failure of the Software Product has resulted from accident, abuse or misapplication. Any replacement product will be warranted only for the remainder of the initial warranty period. This warranty does not apply unless the registration process has been properly completed.

Physical Media:

Disks which are damaged or defective in material or workmanship will be replaced if returned to the place of purchase within 30 days of the purchase date, along with a copy of the sales receipt.

After 30-days, replacement for damaged media disks may be obtained for currently produced software only by mailing the original damaged media, plus a check for CDN $20.00 made out to Northport Systems Inc. to:

Northport Systems Inc.

60 St. Clair Ave. East, Suite 902

Toronto, Ontario, M4T 1N5

Canada.

Damaged media disk replacement does not apply unless the registration process was properly completed within 30 days of purchase.

3. No Other Warranties

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